CLAIMS

WE CLAIM:

1. A collection of polynucleotides, the collection comprising the sequence information of at least one of SEQ ID Nos: 1-10,289.

2. The collection of claim 1, wherein the collection is provided on a nucleic acid array.

3. The collection of claim 1, wherein the sequence information is a segment of any one of SEQ ID Nos: 1-10,289 that uniquely identifies the sequence information of SEQ ID Nos: 1-10,289.

4. The collection of claim 3, wherein the segment is provided on a nucleic acid array to detect the polynucleotide that contains the segment.

5. The collection of claim 4, wherein the array detects full-matches to the polynucleotide that contains the segment.

6. The collection of claim 4, wherein the array detects mismatches to the polynucleotide that contains the segment.

7. The collection of claim 3, wherein the segment is at least 15 base pairs in length.

8. The collection of claim 3, wherein the segment is used as a primer.

9. The collection of claim 1, wherein the collection is provided in a computer-readable format.

10. The computer-readable collection of claim 9, wherein the sequence information is wherein the sequence information is a segment of any one of SEQ ID Nos: 1-10,289 that uniquely identifies the sequence information of SEQ ID Nos: 1-10,289.

11. A polynucleotide comprising a nucleotide sequence having at least 90% identity to an identifying sequence of SEQ ID Nos: 1-10,289 or a degenerate variant or fragment thereof.

12. The identifying sequence of claim 11, wherein the identifying sequence is at least 100 base pairs in length.

13. A polypeptide or unique portion thereof encoded by the polynucleotide of claim 11.

14. The polypeptide of claim 13, wherein the polypeptide is a portion of an isolated protein.

15. The polypeptide of claim 13, wherein the polypeptide forms a part of an external configuration of a protein in three-dimensions.

16. An antibody that specifically binds to the polypeptide of claim 13.

17. A vector comprising the polynucleotide of claim 13.

18. A recombinant host cell containing the polynucleotide of claim 4.

19. A composition comprising a polypeptide, wherein the polypeptide is selected from the group consisting of:

(a) a polypeptide encoded by the sequence information of any one of SEQ ID Nos: 1-10,289;

(b) a polypeptide encoded by a polynucleotide hybridizing under stringent conditions with any one of SEQ ID Nos: 1-10,289; and

(c) a variant of the protein (a) or (b).

20. An antisense oligonucleotide or polynucleotide engineered from the sequence information of any one of SEQ ID Nos: 1-10,289.